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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS AND TRENDS

DATA FOR DECEMBER 1987

JOB SERVICE

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY OFFICE OF EMPLOYMENT SECURITY
In cooperation with the United States Bureau of Labor Statistics

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– EXPLANATORY –

INDUSTRY EMPLOYMENT

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

This report is prepared by the Research and Statistics Division.
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* A N N O U N C E M E N T *
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NEW FORMAT FOR PUBLICATION

In March the Pennsylvania Employment and Earnings report will take on a new appearance. With an improved format, additional data items and a brand new title -- Pennsylvania's Labor Force...A Monthly Statistical Analysis, the updated report will contain pertinent and timely data on the labor force of Pennsylvania and its major labor market areas. Also included will be information on jobs by industry, earnings and the latest happenings in unemployment compensation. All of this will be accompanied by concise narrative analysis and will feature Job Service news and publication announcements. You can look forward to receiving this new publication beginning in March.

PENNSYLVANIA EMPLOYMENT AND EARNINGS
FOURTH QUARTER 1987

LABOR FORCE AND EMPLOYMENT CONTINUE UPWARD

Record-setting labor force and employment levels, after adjustment for seasonal influences, characterized Pennsylvania's labor market statistics in December. These data, made available through the Current Population Survey (CPS) and released by the Bureau of Labor Statistics, U.S. Department of Labor, denote a healthy economy despite a slight rise in the rate of unemployment statewide.

During December, the Commonwealth's civilian labor force surged upward by 106,000 to an all-time high level of 5,793,000 as residents, confident in their ability to find work, moved into the labor force in record numbers. Pennsylvania's labor markets, continuing to exhibit strength in supplying jobs, responded impressively, moving statewide resident employment to 5,463,000, a level never before attained. In surpassing the previous all-time high employment figure set in October 1987 by 63,000, December's count is 234,000 above the level of one year ago.

In attempting to accommodate all jobseekers, the labor market could not fully absorb these record volumes. This resulted in a rise of 15,000 in the number of unemployed residents to 330,000, seasonally adjusted, in December. In turn, the rise in joblessness caused the adjusted unemployment rate to move to 5.7 percent, a gain of 0.2 percentage point since November. At 5.7 percent, December's adjusted rate represents the eleventh consecutive month of statewide joblessness below six percent and the nineteenth consecutive month in which Pennsylvania's adjusted rate has been below that of the nation. Last year at this time, there were 299,000 unemployed Commonwealth residents representing 5.4 percent (adjusted) of the civilian labor force.

Total unemployment, not adjusted for seasonality, remained relatively static in December, moving downward by 6,000 since November to 293,000. This is the second consecutive month that unemployment across Pennsylvania has remained below the 300,000 mark. Due to this slight decline, the rate of joblessness inched downward by 0.1 percentage point to 5.1 percent in December.

NOVEMBER UNEMPLOYMENT HIGHLIGHTS

* Pennsylvania's November unemployment rate of 5.2 percent (not seasonally adjusted) placed the Commonwealth 32nd among all states and tied with North Dakota. During October, Pennsylvania was tied with the state of Idaho for the 26th spot nationally. West Virginia, whose jobless rate vaulted from 9.4 percent in October to 10.8 percent in November, took over first place among all states. New Hampshire, at 2.2 percent in November, maintained the lowest rate in the United States.

* Pennsylvania's annual average unemployment rate ranking, among all states, has shown continued improvement since 1983 when the Commonwealth's rate of 11.8 percent placed it sixth. Over the next three years, Pennsylvania's position improved steadily moving to 12th in 1984, to 16th in 1985, and, in 1986, at 6.8 percent, to a rank of 25th.

* Preliminary November unemployment rates among the Commonwealth's 15 Metropolitan Statistical Areas (MSAs) varied from a low of 2.7 percent in Lancaster to a high of 10.6 percent in the Beaver County PMSA.

* At the national level, the U.S. Bureau of Labor Statistics ranks 269 MSAs each month on the basis of their unemployment rate. In November the McAllen-Edinburg-Mission (Texas) MSA had the highest jobless rate at 18.2 percent. The lowest rate of 1.7 percent was recorded in the New Hampshire MSA of Portsmouth-Dover-Rochester.

* As expected, Pennsylvania's MSAs continued to display representation at both ends of the jobless rate ranking spectrum. Among all MSAs, Lancaster continued to display economic strength in a national context with a November jobless rate of 2.7 percent and a ranking of 253 (out of 269) while Beaver County's 10.6 percent placed this PMSA 10th on the list.

NONAGRICULTURAL JOBS UP AGAIN IN DECEMBER
NONMANUFACTURING CONTINUES AT RECORD PACE
MANUFACTURING STABLE

Employer survey data, recently compiled by the Office of Employment Security, reveal December's preliminary statewide job total once again advanced to a record level. At 5,033,500 during the mid-month report week, this most recent payroll count of jobs represents a 2,700 rise since November and an impressive 146,500 gain over the past twelve months. It surely comes as no surprise that the nonmanufacturing division as a whole keyed the surge, led once again by strong upward movement in services and trade. This scenario has come to be more or less expected as the Commonwealth's labor markets continue their restructuring toward a service-producing economy while slowly stemming job erosion within the goods-producing sector. Specifically, during December, nonmanufacturing payrolls climbed by 3,100 to reach a historical high of 3,984,500. Manufacturing industries, struggling to hold their own during this holiday period, remained relatively static dropping only 100 jobs from the November tally to record 1,046,700 in December.

Within nonmanufacturing, December's job gains were broad-based. In fact, with the exception of seasonal weather-related job losses within mining and contract construction as well as holiday education curtailment within state and local government, all other major nonmanufacturing industry lines were job-adders since November. Within the service industry, small losses in lodging, recreation, and education (libraries, private schools, etc.) were effectively countered by strong over-the-month gains in the "big two," namely business and health services. These industry lines combine to provide over half the total service jobs in Pennsylvania. As expected, with holiday shopping under full steam, Commonwealth stores pushed retail trade employment to record levels in December as some 15,600 jobs were added since November to attain the all-time high of 915,600. Weather-related cutbacks played a role in the loss of 11,400 contract construction jobs throughout

Pennsylvania; however, these losses were somewhat less than the normal November-December downturn. At 225,500 jobs in December 1987, construction employment remains 18,800 above the year-ago figure, thereby attesting to vitality within Pennsylvania's building trade industry. Rounding out major industry lines and their monthly movement were: mining, off 600 jobs since November; transportation and public utilities, up 400 jobs; and finance, insurance and real estate, up 200.

Manufacturing jobs, down a net 100 since November, displayed much welcome stability while resisting seasonal losses that typically occur in December. Within nondurables, statewide net job losses on the order of 2,000 are generally the rule during this period as apparel, textiles, and food products experience payroll cutbacks. This year, many of these anticipated job losses did not materialize and those that did were less in magnitude. Actually, the food and kindred products line added 200 jobs while textile mill products were up half that amount in December. Apparel, down a net 900 jobs most recently, spread out small losses in nearly all subdivisions. While these lines did show a downturn in December, relatively small numbers were the rule and kept net monthly apparel losses well under those that usually occur during this time of year. Among other nondurable industry lines, tobacco products, paper products, and leather remained static at 900, 40,100, and 10,200 jobs, respectively. Printing and publishing gained 300 to 82,400, chemicals added 500 to 59,700, while rubber rose by 200 to 38,300 jobs. Durable goods jobs, at 596,900 in December, inched downward by 200 since November. Job gains occurred in primary metals (+500), fabricated metals (+300), furniture (+100), and electronic equipment (+200), while losses were forthcoming in lumber (-100), nonelectrical machinery (-200), transportation equipment (-100), and instruments (-300). Stone, clay and glass products were unchanged at 48,600 jobs in December.

HOURS AND EARNINGS ON AN UPSWING
DECEMBER AVERAGE EARNINGS AND WORKWEEK AT RECORD LEVELS

Production workers within Pennsylvania's manufacturing firms earned an average of $10.22 per hour in December, worked a record 41.8 hours, and took home $427.20 in their weekly paychecks to achieve an all-time high. This was brought about by an over-the-month rise of four cents in the hourly rate, coupled with a three-tenths of an hour boost in the average workweek. Last year at this time, Pennsylvania's workers averaged $9.84 per hour, worked a 41.2 hour workweek, and received $406.23 per week for their efforts.

Among major industry lines within manufacturing, the highest hourly and weekly earnings were posted in petroleum and coal products at $13.86 and $598.75, respectively, in December. Average weekly hours of 44.8 pushed the chemical and allied products line to the top spot in length of workweek. At the opposite end of the spectrum, the lowest hourly rate came in leather and leather products at $5.99, while apparel and other textile products showed lowest weekly hours of 35.5 as well as least weekly earnings of $219.39.

UNITED STATES & PENNSYLVANIA UNEMPLOYMENT RATES

(SEASONALLY ADJUSTED)

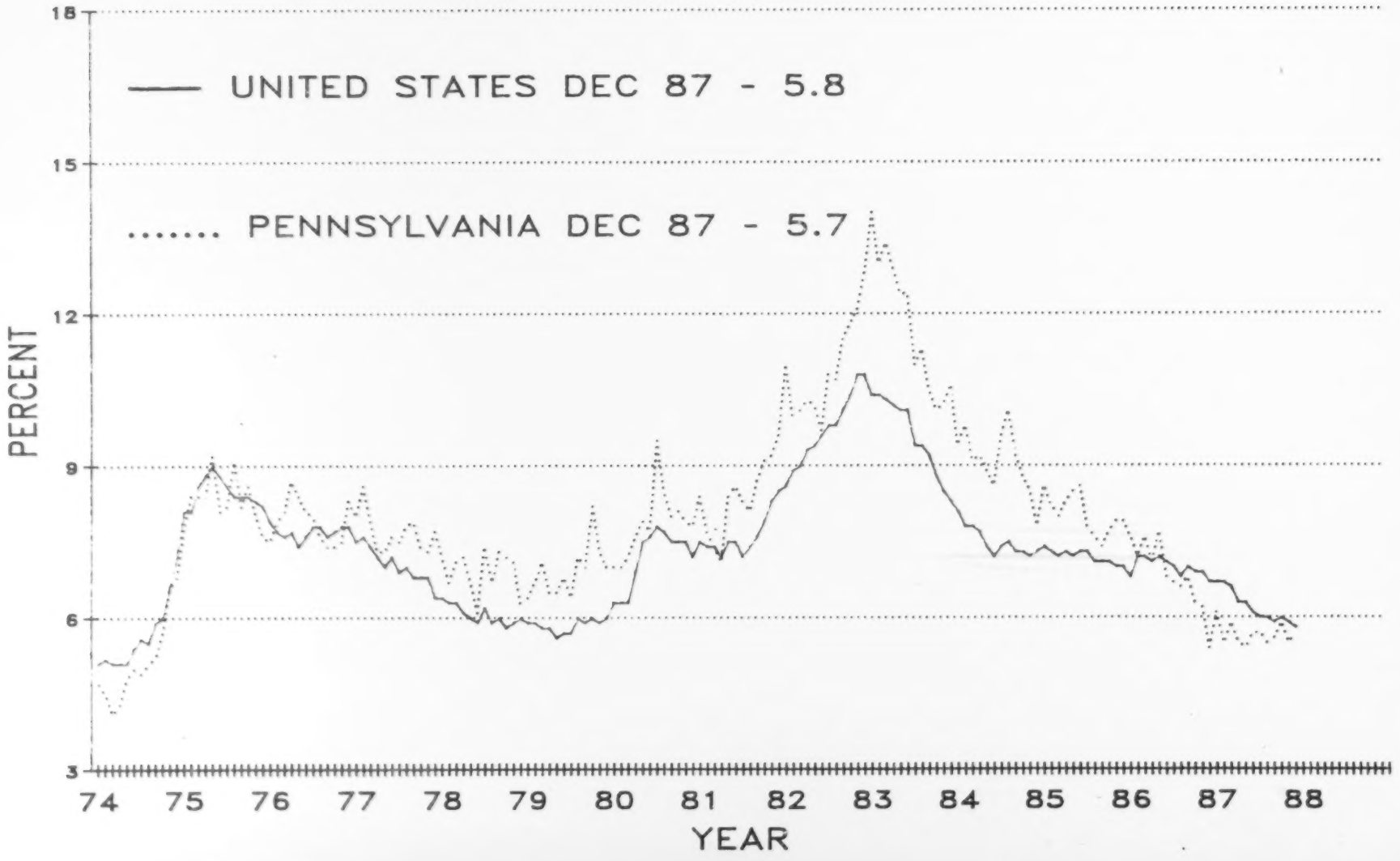

TABLE 1

TOTAL CIVILIAN LABOR FORCE
EMPLOYMENT AND UNEMPLOYMENT IN PENNSYLVANIA
(All Persons in Thousands)

RESIDENT DATA*	DEC. 1987	NOV. 1987	DEC. 1986	NET CHANGE FROM: NOV. 1987	NET CHANGE FROM: DEC. 1986
SEASONALLY ADJUSTED DATA					
Civilian Labor Force	5,793	5,687	5,528	106.0	265.0
Employment	5,463	5,372	5,229	91.0	234.0
Unemployment	330	315	299	15.0	31.0
Rate of Unemployment(%)	5.7	5.5	5.4	0.2	0.3
UNADJUSTED DATA					
Civilian Labor Force	5,744	5,716	5,479	28.0	265.0
Employment	5,451	5,417	5,220	34.0	231.0
Unemployment	293	299	258	-6.0	35.0
Rate of Unemployment(%)	5.1	5.2	4.7	-0.1	0.4

TABLE 2

QUARTERLY AVERAGE UNEMPLOYMENT VOLUME AND RATE
BY MAJOR LABOR MARKET AREA IN PENNSYLVANIA:
FOURTH QUARTER 1986 AND 1987, THIRD QUARTER 1987

LABOR MARKET AREA	FOURTH QUARTER 1987 P/ UNEMP. NUMBER	FOURTH QUARTER 1987 P/ UNEMP. RATE	THIRD QUARTER 1987 UNEMP. NUMBER	THIRD QUARTER 1987 UNEMP. RATE	FOURTH QUARTER 1986 UNEMP. NUMBER	FOURTH QUARTER 1986 UNEMP. RATE
UNITED STATES	6,724.0	5.6	7,133.0	5.9	7,725.0	6.5
PENNSYLVANIA	300.0	5.2	311.0	5.4	306.0	5.5
ALLENTOWN-BETHLEHEM MSA	13.0	4.1	14.1	4.4	16.0	5.1
ALTOONA MSA	4.4	7.4	3.8	6.2	4.1	7.1
BEAVER COUNTY MSA	6.7	10.6	7.1	11.1	6.6	10.4
ERIE MSA	9.2	7.1	9.2	7.0	9.2	7.2
HARRISBURG-LEB.-CARLISLE MSA	9.5	3.0	9.7	3.0	10.1	3.4
JOHNSTOWN MSA	7.9	8.3	7.3	7.5	7.3	7.9
LANCASTER MSA	5.9	2.7	5.9	2.7	5.2	2.5
PHILADELPHIA PMSA	102.2	4.2	113.9	4.7	100.7	4.3
PITTSBURGH PMSA	62.2	6.4	65.5	6.8	64.2	6.8
READING MSA	6.2	3.6	6.8	4.0	7.0	4.1
SCRANTON--WILKES-BARRE MSA	21.6	6.2	22.5	6.4	22.9	6.7
SHARON MSA	3.0	6.0	3.2	6.3	3.7	7.6
STATE COLLEGE MSA	3.0	5.0	2.8	4.8	2.9	5.0
WILLIAMSPORT MSA	2.9	5.0	2.6	4.4	3.1	5.7
YORK MSA	7.0	3.3	7.8	3.7	7.8	3.8

P/ Data are preliminary and subject to revision.

* Resident data are workers by place of residence. They include wage and salary workers, self-employed and unpaid family workers and persons involved in labor managements disputes.

TABLE 3

PENNSYLVANIA AND UNITED STATES EMPLOYMENT DATA
ANNUAL AVERAGES: 1972-1987, MONTHLY DATA: JANUARY - DECEMBER 1987
AND QUARTERLY AVERAGES: 1986 AND 1987
(Employment and Unemployment in Thousands)

	[----------Pennsylvania----------]					[----------United States---------]				
YEAR	CIVILIAN LABOR FORCE	TOTAL EMPLOY-MENT	TOTAL UNEMP. VOLUME	UNADJ. UNEMP. RATE	SEA.ADJ. UNEMP. RATE	CIVILIAN LABOR FORCE	TOTAL EMPLOY-MENT	TOTAL UNEMP. VOLUME	UNADJ. UNEMP. RATE	SEA.ADJ UNEMP. RATE
1972	4,886	4,622	265	5.4		87,034	82,153	4,882	5.6	
1973	5,001	4,758	242	4.8		89,429	85,064	4,365	4.9	
1974	5,054	4,794	259	5.1		91,949	86,794	5,156	5.6	
1975	5,098	4,674	423	8.3		93,775	85,846	7,929	8.5	
1976	5,129	4,723	407	7.9		96,158	88,752	7,406	7.7	
1977	5,207	4,806	401	7.7		99,009	92,017	6,991	7.1	
1978	5,306	4,938	368	6.9		102,251	96,048	6,202	6.1	
1979	5,360	4,990	371	6.9		104,962	98,824	6,137	5.8	
1980	5,435	5,010	425	7.8		106,940	99,303	7,637	7.1	
1981	5,484	5,026	459	8.4		108,670	100,397	8,273	7.6	
1982	5,489	4,889	599	10.9		110,204	99,526	10,678	9.7	
1983	5,505	4,855	650	11.8		111,550	100,834	10,717	9.6	
1984	5,478	4,980	498	9.1		113,544	105,005	8,539	7.5	
1985	5,528	5,084	443	8.0		115,461	107,150	8,312	7.2	
1986	5,634	5,248	386	6.8		117,835	109,598	8,237	7.0	
1987	5,641	5,322	319	5.7		119,865	112,440	7,425	6.2	
1987 JAN	5,490	5,131	359	6.5	6.1	117,703	109,084	8,620	7.3	6.7
FEB	5,427	5,078	349	6.4	5.5	117,967	109,464	8,503	7.2	6.7
MAR	5,446	5,106	340	6.2	5.9	118,353	110,229	8,124	6.9	6.6
APR.	5,459	5,164	295	5.4	5.5	118,347	111,041	7,306	6.2	6.3
MAY	5,589	5,289	300	5.4	5.4	119,695	112,377	7,318	6.1	6.3
JUNE	5,713	5,359	354	6.2	5.7	121,153	113,498	7,655	6.3	6.1
JULY	5,787	5,453	335	5.8	5.7	122,105	114,652	7,453	6.1	6.0
AUG.	5,829	5,526	303	5.2	5.5	121,614	114,527	7,088	5.8	6.0
SEP.	5,708	5,411	297	5.2	5.6	119,884	113,027	6,857	5.7	5.9
OCT	5,787	5,480	307	5.3	5.9	120,744	113,898	6,845	5.7	6.0
NOV	5,716	5,417	299	5.2	5.5	120,611	113,809	6,802	5.6	5.9
DEC	5,744	5,451	293	5.1	5.7	120,206	113,679	6,526	5.4	5.8
1986										
1st QTR.	5,547	5,099	448	8.1	7.5	115,822	107,096	8,727	7.5	7.1
2nd QTR.	5,660	5,245	416	7.3	7.2	117,720	109,370	8,349	7.1	7.1
3rd QTR.	5,751	5,378	373	6.5	6.7	119,339	111,192	8,147	6.8	6.9
4th QTR.	5,576	5,270	306	5.5	6.0	118,457	110,732	7,725	6.5	6.9
1987										
1st QTR.	5,454	5,105	349	6.4	5.8	118,008	109,592	8,416	7.1	6.7
2nd QTR.	5,587	5,271	316	5.7	5.5	119,732	112,305	7,426	6.2	6.2
3rd QTR.	5,774	5,463	311	5.4	5.6	121,201	114,069	7,133	5.9	6.0
4th QTR.	5,749	5,449	300	5.2	5.7	120,520	113,795	6,724	5.6	5.9

TABLE 4
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: FOURTH QUARTER 1987
(Employment in thousands)

INDUSTRY LINE	DEC 1987 P/	NOV 1987	OCT 1987	DEC 1986	---NET CHANGE--- NOV 1987	DEC 1986
NONAGRICULTURAL WAGE AND SALARY	5,033.5	5,030.8	5,019.7	4,887.0	2.7	146.5
MANUFACTURING INDUSTRIES	1,046.7	1,046.8	1,047.7	1,035.7	-0.1	11.0
DURABLE GOODS	596.9	597.1	596.8	584.8	-0.2	12.1
LUMBER AND WOOD PRODUCTS	30.0	30.1	29.9	28.2	-0.1	1.8
MILLWORK,PLYWOOD & STRUCTURE	10.0	9.9	9.8	8.9	0.1	1.1
OTHER LUMBER & WOOD PRODUCTS	20.0	20.2	20.1	19.3	-0.2	0.7
FURNITURE AND FIXTURES	21.5	21.4	21.4	20.5	0.1	1.0
HOUSEHOLD FURNITURE	9.2	9.2	9.2	8.7	0.0	0.5
OFFICE FURNITURE	5.1	5.1	5.0	5.1	0.0	0.0
OTHER FURNITURE & FIXTURES	7.2	7.1	7.2	6.7	0.1	0.5
STONE, CLAY, AND GLASS PRODS.	48.6	48.6	48.6	47.1	0.0	1.5
GLASS, PRESSED OR BLOWN	11.9	12.0	12.0	11.5	-0.1	0.4
GLASS CONTAINERS	5.4	5.4	5.4	5.7	0.0	-0.3
PRESSED & BLOWN GLASS,NEC	6.5	6.6	6.6	5.8	-0.1	0.7
CEMENT, HYDRAULIC	1.9	1.9	2.0	2.0	0.0	-0.1
STRUCTURAL CLAY	5.1	5.0	5.1	4.8	0.1	0.3
POTTERY & RELATED PRODUCTS	3.4	3.4	3.4	3.4	0.0	0.0
CONCRETE, GYPSUM & PLASTER	9.5	9.5	9.5	8.3	0.0	1.2
OTHER STONE, CLAY & GLASS	16.8	16.8	16.6	17.1	0.0	-0.3
PRIMARY METALS	93.3	92.8	93.2	83.0	0.5	10.3
BLAST FURNACE & BASIC STEEL	57.7	57.5	58.1	49.5	0.2	8.2
BLAST FURN. & STEEL MILLS	49.2	49.0	49.6	41.2	0.2	8.0
OTHER BASIC STEEL PRODUCTS	8.5	8.5	8.5	8.3	0.0	0.2
IRON AND STEEL FOUNDRIES	10.6	10.6	10.5	9.6	0.0	1.0
NONFERROUS ROLLING & DRAWING	12.4	12.1	12.1	11.8	0.3	0.6
NONFERROUS FOUNDRIES	5.7	5.7	5.6	5.5	0.0	0.2
OTHER PRIMARY METALS	6.9	6.9	6.9	6.6	0.0	0.3
FABRICATED METAL PRODUCTS	90.7	90.4	90.6	90.3	0.3	0.4
METAL CANS & SHIPPING CONTRS	2.5	2.6	2.7	2.8	-0.1	-0.3
CUTLERY, TOOLS & HARDWARE	6.0	5.9	5.9	5.3	0.1	0.7
PLUMBING & HEATING, EXC. EL.	2.5	2.4	2.4	2.3	0.1	0.2
FAB. STRUCTURAL METAL PROD.	33.6	33.7	33.6	33.8	-0.1	-0.2
FAB. STRUCTURAL METAL	5.3	5.3	5.3	5.3	0.0	0.0
FAB. PLATE WORK	7.6	7.5	7.4	7.9	0.1	-0.3
OTHER FAB. STRUC. PRODUCTS	20.7	20.9	20.9	20.6	-0.2	0.1
SCREW MACHINERY PRODUCTS	6.2	6.2	6.2	6.4	0.0	-0.2
METAL FORGINGS & STAMPINGS	14.6	14.4	14.3	13.7	0.2	0.9
METAL SERVICES & ORDNANCE	7.5	7.5	7.5	8.0	0.0	-0.5

P\ Preliminary data, subject to revision.

TABLE 4
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: FOURTH QUARTER 1987
(Employment in thousands)

INDUSTRY LINE	DEC 1987 P/	NOV 1987	OCT 1987	DEC 1986	---NET CHANGE--- NOV 1987	DEC 1986
MISC. FABRICATED METAL PROD.	17.8	17.7	18.0	18.0	0.1	-0.2
VALVES & PIPE FITTINGS	6.8	6.7	7.0	6.9	0.1	-0.1
OTHER MISC. FAB. METALS	11.0	11.0	11.0	11.1	0.0	-0.1
NONELECTRICAL MACHINERY	105.6	105.8	104.9	104.0	-0.2	1.6
ENGINES AND TURBINES	2.6	2.5	2.6	2.8	0.1	-0.2
FARM & GARDEN MACHINERY	3.2	3.2	3.2	2.9	0.0	0.3
CONSTRUCTION & RELATED MACH.	16.3	16.3	16.2	15.3	0.0	1.0
METAL WORKING MACHINERY	15.9	16.1	16.0	16.4	-0.2	-0.5
SPECIAL INDUSTRIAL MACHINERY	8.6	8.5	8.6	8.4	0.1	0.2
GENERAL INDUSTRIAL MACHINERY	20.4	20.4	20.0	19.9	0.0	0.5
OFFICE & COMPUTER MACHINERY	14.6	14.5	14.3	13.8	0.1	0.8
REFRIG. & SERV. MACHINERY	8.8	9.0	9.0	9.0	-0.2	-0.2
MISC. MACHINERY, EXC. ELEC.	15.2	15.3	15.0	15.5	-0.1	-0.3
ELECTRIC AND ELECTRONIC MACH.	92.3	92.1	92.1	97.6	0.2	-5.3
ELECTRICAL DISTRIBUTING EQ.	6.1	6.0	6.1	7.3	0.1	-1.2
ELECTRICAL INDUSTRIAL APPAR.	15.2	15.2	15.2	18.8	0.0	-3.6
HOUSEHOLD APPLIANCES	2.6	2.6	2.5	2.5	0.0	0.1
ELECTRICAL LIGHTING & WIRING	18.5	18.3	18.3	18.8	0.2	-0.3
CURRENT CARRYING DEVICES	10.6	10.5	10.5	10.8	0.1	-0.2
OTHER LIGHTING & WIRING	7.9	7.8	7.8	8.0	0.1	-0.1
COMMUNICATION EQUIPMENT	10.7	10.7	10.6	10.8	0.0	-0.1
ELECTRONIC COMPONENTS & ACC.	28.9	29.0	29.1	32.8	-0.1	-3.9
OTHER ELECTRICAL EQUIPMENT	10.3	10.3	10.3	10.0	0.0	0.3
TRANSPORTATION EQUIPMENT	60.0	60.1	60.6	58.5	-0.1	1.5
MOTOR VEHICLES AND EQUIPMENT	23.2	23.1	23.8	20.8	0.1	2.4
MOTOR VEHICLE PARTS & ACC.	12.1	11.9	11.8	9.4	0.2	2.7
OTHER MOTOR VEHICLES & EQ.	11.1	11.2	12.0	11.4	-0.1	-0.3
AIRCRAFT AND PARTS	11.4	11.3	11.3	11.2	0.1	0.2
SHIP & BOAT BUILDING & REPR.	3.3	3.3	3.2	2.5	0.0	0.8
RAILROAD EQUIPMENT	7.2	7.4	7.2	8.2	-0.2	-1.0
OTHER TRANSPORTATION EQUIP.	14.9	15.0	15.1	15.8	-0.1	-0.9
INSTRUMENTS AND RELATED PROD.	34.3	34.6	34.5	35.2	-0.3	-0.9
MEASURING & CONTROLLING DEV.	14.8	15.0	14.9	15.5	-0.2	-0.7
MEDICAL INSTRUMENTS & SUPPL.	10.1	10.3	10.4	10.6	-0.2	-0.5
OTHER INSTRUMENTS & RELATED	9.4	9.3	9.2	9.1	0.1	0.3
MISCELLANEOUS MANUFACTURES	20.6	21.2	21.0	20.4	-0.6	0.2
NONDURABLE GOODS	449.8	449.7	450.9	450.9	0.1	-1.1
FOOD AND KINDRED PRODUCTS	93.3	93.1	93.4	92.1	0.2	1.2
MEAT PRODUCTS	14.3	14.1	14.1	14.0	0.2	0.3
DAIRY PRODUCTS	10.7	10.7	10.7	10.4	0.0	0.3

P\ Preliminary data, subject to revision.

TABLE 4
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: FOURTH QUARTER 1987
(Employment in thousands)

INDUSTRY LINE	DEC 1987 P/	NOV 1987	OCT 1987	DEC 1986	---NET CHANGE--- NOV 1987	DEC 1986
FLUID MILK	5.4	5.4	5.3	5.3	0.0	0.1
OTHER DAIRY PRODUCTS	5.3	5.3	5.4	5.1	0.0	0.2
PRESERVED FRUIT & VEGETABLES	12.3	12.6	13.0	12.1	-0.3	0.2
CANNED FRUITS & VEGETABLES	4.2	4.4	4.6	4.4	-0.2	-0.2
OTHER PRES. FRUITS & VEGS.	8.1	8.2	8.4	7.7	-0.1	0.4
GRAIN MILL PRODUCTS	6.0	5.9	5.9	6.0	0.1	0.0
BAKERY PRODUCTS	17.1	17.0	17.0	16.4	0.1	0.7
SUGAR & CONFECTION PRODUCTS	15.5	15.4	15.2	15.2	0.1	0.3
BEVERAGES	7.3	7.2	7.2	7.9	0.1	-0.6
OTHER FOOD & KINDRED PRODS.	10.1	10.2	10.3	10.1	-0.1	0.0
TOBACCO PRODUCTS	0.9	0.9	0.9	1.1	0.0	-0.2
TEXTILE PRODUCTS	31.1	31.0	31.2	31.0	0.1	0.1
WEAVING MILLS SYNTHETICS	4.1	4.1	4.1	4.1	0.0	0.0
KNITTING MILLS	12.6	12.5	12.5	12.6	0.1	0.0
KNIT OUTERWEAR MILLS	5.2	5.2	5.2	5.2	0.0	0.0
KNIT UNDERWEAR MILLS	3.3	3.3	3.3	3.3	0.0	0.0
OTHER KNITTING MILLS	4.1	4.0	4.0	4.1	0.1	0.0
FLOOR COVERING MILLS	3.6	3.6	3.6	3.5	0.0	0.1
YARN AND THREAD MILLS	2.5	2.5	2.5	2.6	0.0	-0.1
OTHER TEXTILE MILL PRODUCTS	8.3	8.3	8.5	8.2	0.0	0.1
APPAREL AND RELATED PRODUCTS	83.5	84.4	85.9	89.7	-0.9	-6.2
MENS AND BOYS SUITS & COATS	12.0	12.0	11.9	12.1	0.0	-0.1
MENS AND BOYS FURNISHINGS	14.3	14.4	14.4	14.9	-0.1	-0.6
WOMENS AND MISSES OUTERWEAR	32.4	32.8	34.1	36.6	-0.4	-4.2
WOMENS & KIDS UNDERGARMENTS	9.8	9.9	9.9	9.9	-0.1	-0.1
CHILDRENS OUTERWEAR	5.6	5.7	5.7	6.4	-0.1	-0.8
OTHER APPAREL & TEXTILE PROD	9.4	9.6	9.9	9.8	-0.2	-0.4
PAPER PRODUCTS	40.1	40.1	40.1	40.3	0.0	-0.2
PAPER MILLS, EXC. BUILDING	9.1	9.1	9.1	9.9	0.0	-0.8
PAPERBOARD CONTAINER & BOXES	12.5	12.5	12.5	12.4	0.0	0.1
CORRUGATED & SOLID BOXES	6.6	6.6	6.6	6.5	0.0	0.1
OTHER PAPERBOARD PRODUCTS	5.9	5.9	5.9	5.9	0.0	0.0
OTHER PAPER & ALLIED PRODS.	18.5	18.5	18.5	18.0	0.0	0.5
PRINTING AND PUBLISHING	82.4	82.1	81.7	80.8	0.3	1.6
NEWSPAPERS	23.4	23.3	23.1	23.3	0.1	0.1
COMMERCIAL PRINTING	29.7	29.7	29.7	29.0	0.0	0.7
OTHER PRINTING & PUBLISHING	29.3	29.1	28.9	28.5	0.2	0.8
CHEMICAL AND ALLIED PRODUCTS	59.7	59.2	58.6	58.3	0.5	1.4
INDUSTRIAL INORGANICS	10.2	10.0	10.0	10.0	0.2	0.2
PLASTIC MATERIALS & SYNTHET.	8.0	8.0	7.9	7.8	0.0	0.2
DRUGS	20.5	20.4	20.1	19.6	0.1	0.9

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TABLE 4

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: FOURTH QUARTER 1987
(Employment in thousands)

INDUSTRY LINE	DEC 1987 P/	NOV 1987	OCT 1987	DEC 1986	---NET CHANGE--- NOV 1987	DEC 1986
SOAPS, CLEANERS & TOILET GDS	3.7	3.6	3.6	3.6	0.1	0.1
PAINTS AND ALLIED PRODUCTS	3.8	3.8	3.8	3.8	0.0	0.0
OTHER CHEMICAL & ALLIED PROD	13.5	13.4	13.2	13.5	0.1	0.0
PETROLEUM AND COAL PRODUCTS	10.3	10.6	10.9	10.2	-0.3	0.1
PETROLEUM REFINING	7.7	7.7	7.7	7.7	0.0	0.0
OTHER PETROLEUM & COAL PRODS	2.6	2.9	3.2	2.5	-0.3	0.1
RUBBER AND PLASTICS PRODUCTS	38.3	38.1	37.9	37.4	0.2	0.9
TIRES AND INNER TUBES	1.0	1.0	1.0	1.0	0.0	0.0
FABRICATED RUBBER PRODUCTS	4.4	4.3	4.3	4.0	0.1	0.4
OTHER RUBBER & PLASTICS PROD	32.9	32.8	32.6	32.4	0.1	0.5
LEATHER PRODUCTS	10.2	10.2	10.3	10.0	0.0	0.2
FOOTWEAR, EXC. RUBBER	7.8	7.8	7.8	7.7	0.0	0.1
OTHER LEATHER PRODUCTS	2.4	2.4	2.5	2.3	0.0	0.1
NONMANUFACTURING INDUSTRIES	3,984.5	3,981.4	3,969.8	3,840.8	3.1	143.7
MINING	30.9	31.5	31.7	32.1	-0.6	-1.2
ANTHRACITE COAL	2.2	2.2	2.2	2.6	0.0	-0.4
BITUMINOUS COAL & LIGNITE	19.9	20.1	20.3	20.3	-0.2	-0.4
NONMETALLIC MINERALS	5.0	5.3	5.3	4.8	-0.3	0.2
OTHER MINING AND QUARRYING	3.8	3.9	3.9	4.4	-0.1	-0.6
CONTRACT CONSTRUCTION	225.5	236.9	243.3	206.7	-11.4	18.8
GENERAL BUILDING CONTRACTORS	71.2	73.1	73.4	59.7	-1.9	11.5
HEAVY CONSTRUCT. CONTRACTORS	34.7	39.2	42.3	32.6	-4.5	2.1
SPECIAL TRADE CONTRACTORS	119.6	124.6	127.6	114.4	-5.0	5.2
TRANSPORTATION	142.6	142.5	142.6	142.3	0.1	0.3
RAILROAD TRANSPORTATION	19.8	19.8	20.4	19.5	0.0	0.3
ALL OTHER TRANSPORTATION	122.8	122.7	122.2	122.8	0.1	0.0
PUBLIC UTILITIES	106.1	105.8	105.5	102.3	0.3	3.8
COMMUNICATIONS	50.8	50.9	50.8	48.8	-0.1	2.0
ELECTRIC, GAS AND SANITARY	55.3	54.9	54.7	53.5	0.4	1.8
ELECTRIC SERVICES	26.9	26.9	26.7	26.7	0.0	0.2
GAS PRODUCTION & DIST.	8.3	8.3	8.4	8.4	0.0	-0.1
WHOLESALE TRADE	279.5	278.9	277.2	265.3	0.6	14.2
DURABLE GOODS TRADE	177.1	177.2	175.9	165.8	-0.1	11.3
NONDURABLE GOODS TRADE	102.4	101.7	101.3	99.5	0.7	2.9
RETAIL TRADE	915.6	899.9	887.2	881.1	15.7	34.5
GENERAL MERCHANDISE STORES	150.5	145.4	135.9	145.8	5.1	4.7
DEPARTMENT STORES	131.7	127.3	118.8	128.4	4.4	3.3

P\ Preliminary data, subject to revision.

TABLE 4
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA
BY INDUSTRY LINE: FOURTH QUARTER 1987
(Employment in thousands)

INDUSTRY LINE	DEC 1987 P/	NOV 1987	OCT 1987	DEC 1986	---NET CHANGE--- NOV 1987	DEC 1986
OTHER RETAIL GEN. MERCHAN.	18.8	18.1	17.1	17.4	0.7	1.4
FOOD STORES	155.0	153.1	151.0	151.7	1.9	3.3
AUTO DEALERS & SERVICE STAT.	96.5	96.3	96.7	90.9	0.2	5.6
APPAREL AND ACCESSORY STORES	52.2	50.7	50.2	51.1	1.5	1.1
EATING AND DRINKING PLACES	262.3	259.7	263.2	255.6	2.6	6.7
MISCELLANEOUS RETAIL TRADE	126.5	122.7	119.4	121.2	3.8	5.3
FINANCE,INSURANCE AND REAL EST	288.1	287.9	288.8	282.3	0.2	5.8
BANKING	88.3	88.2	88.2	88.4	0.1	-0.1
COMMERCIAL & STOCK SAVINGS	81.2	81.2	81.2	80.9	0.0	0.3
OTHER BANKING	7.1	7.0	7.0	7.5	0.1	-0.4
INSURANCE CARRIERS	85.4	84.9	84.7	81.8	0.5	3.6
LIFE INSURANCE	31.8	31.8	31.9	31.9	0.0	-0.1
FIRE, MARINE & CASUALTY INS	34.6	34.3	34.1	32.5	0.3	2.1
OTHER FIN.,INS.& REAL ESTATE	70.0	70.5	71.5	69.7	-0.5	0.3
SERVICE AND MISCELLANEOUS	1,296.6	1,295.3	1,298.1	1,241.4	1.3	55.2
HOTELS & LODGING PLACES	55.2	56.1	56.7	51.0	-0.9	4.2
BUSINESS SERVICES	223.9	222.7	222.1	205.6	1.2	18.3
AMUSEMENT & RECREATION SERV.	33.1	33.6	37.6	33.0	-0.5	0.1
HEALTH SERVICES	422.8	421.1	421.2	407.9	1.7	14.9
HOSPITALS	230.7	229.7	229.9	224.1	1.0	6.6
OTHER HEALTH SERVICES	124.5	123.9	123.8	116.7	0.6	7.8
LEGAL SERVICES	37.6	37.5	37.4	35.2	0.1	2.4
EDUCATIONAL SERVICES	155.7	156.0	154.1	152.0	-0.3	3.7
SOCIAL SERVICES	83.8	82.4	82.0	79.9	1.4	3.9
MISCELLANEOUS SERVICES	61.1	61.0	60.8	58.2	0.1	2.9
ENGINEERING & ARCHITECTURE	36.3	36.1	36.1	35.3	0.2	1.0
OTHER SERVICES, NEC	223.4	224.9	226.2	218.6	-1.5	4.8
GOVERNMENT	699.6	702.7	695.4	687.3	-3.1	12.3
FEDERAL	143.7	141.8	141.0	138.3	1.9	5.4
STATE	152.5	154.6	154.2	151.6	-2.1	0.9
STATE EDUCATION	45.8	48.5	47.8	45.2	-2.7	0.6
OTHER STATE GOVERNMENT	106.7	106.1	106.4	106.4	0.6	0.3
LOCAL	403.4	406.3	400.2	397.4	-2.9	6.0
LOCAL EDUCATION	244.2	247.6	242.2	240.4	-3.4	3.8
OTHER LOCAL GOVERNMENT	159.2	158.7	158.0	157.0	0.5	2.2
PERSONS IN LABOR-MGMT. DISPUTES	2.3	2.6	2.2	10.5	-0.3	-8.2

TABLE 5
ACTUAL AND REAL GROSS EARNINGS OF
MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA
ANNUAL AVERAGES

YEAR	WEEKLY EARNINGS	WEEKLY HOURS	HOURLY EARNINGS	HOURLY EARNINGS INDEX (1967 = 100)	U.S. CONSUMER PRICE INDEX	REAL WEEKLY EARNINGS	LOSSES DUE TO INFLATION
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	217.4	127.92	150.18
1980	294.49	38.8	7.59	269.1	246.8	119.32	175.17
1981	325.36	39.2	8.30	294.3	272.4	119.44	205.92
1982	331.39	38.4	8.63	306.0	289.1	114.63	216.76
1983	350.84	39.2	8.95	317.4	298.4	117.57	233.27
1984	373.06	40.2	9.28	329.1	311.1	119.92	253.14
1985	381.84	39.9	9.57	339.4	322.2	118.51	263.33
1986	391.55	40.2	9.74	345.4	328.4	119.23	272.32

TABLE 6
AVERAGE HOURS AND EARNINGS OF MANUFACTURING WORKERS
IN PENNSYLVANIA BY INDUSTRY LINE: FOURTH QUARTER 1987
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG WEEKLY HOURS				AVG HOURLY EARNINGS			
	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986
MANUFACTURING INDUSTRIES	427.20	422.47	413.28	406.23	41.8	41.5	41.0	41.2	10.22	10.18	10.08	9.86
DURABLE GOODS	468.23	464.34	455.52	448.17	42.8	42.6	42.1	42.4	10.94	10.90	10.82	10.57
LUMBER AND WOOD PRODUCTS	348.75	349.73	358.25	349.42	40.6	41.0	41.9	42.2	8.59	8.53	8.55	8.28
MILLWORK,PLYWOOD & STRUCTURE	351.83	354.16	359.38	384.52	39.8	40.2	40.7	43.4	8.84	8.81	8.83	8.86
OTHER LUMBER & WOOD PRODUCTS	347.27	346.92	357.85	334.02	41.0	41.3	42.5	41.7	8.47	8.40	8.42	8.01
FURNITURE AND FIXTURES	361.79	368.68	365.62	351.29	41.3	41.8	41.5	40.8	8.76	8.82	8.81	8.61
HOUSEHOLD FURNITURE	312.66	319.80	322.64	308.30	40.5	41.0	41.1	40.3	7.72	7.80	7.85	7.65
OFFICE FURNITURE	399.49	398.77	386.04	358.42	41.7	41.8	41.2	39.3	9.58	9.54	9.37	9.12
OTHER FURNITURE & FIXTURES	407.95	422.93	417.35	413.45	42.1	43.2	42.5	42.8	9.69	9.79	9.82	9.66
STONE, CLAY, AND GLASS PRODS.	449.96	449.35	443.59	434.09	43.1	43.0	42.9	42.6	10.44	10.45	10.34	10.19
GLASS, PRESSED OR BLOWN	448.17	466.96	447.53	470.24	42.4	43.6	42.3	44.7	10.57	10.71	10.58	10.52
GLASS CONTAINERS	472.99	472.99	481.82	507.83	40.6	40.6	41.5	45.1	11.65	11.65	11.61	11.26
PRESSED & BLOWN GLASS,NEC	427.15	461.46	418.82	434.23	43.9	46.1	43.0	44.4	9.73	10.01	9.74	9.78
CEMENT, HYDRAULIC	589.62	583.42	564.56	595.86	44.1	44.4	42.9	44.6	13.37	13.14	13.16	13.36
STRUCTURAL CLAY	400.79	398.16	387.57	382.81	42.1	42.0	41.1	41.7	9.52	9.48	9.43	9.18
POTTERY & RELATED PRODUCTS	417.13	404.09	407.18	403.80	41.3	39.5	40.8	41.5	10.10	10.23	9.98	9.73
CONCRETE, GYPSUM & PLASTER	430.01	414.29	445.83	370.23	44.7	43.2	46.2	41.0	9.62	9.59	9.65	9.03
OTHER STONE, CLAY & GLASS	476.97	474.15	452.61	446.04	43.4	43.5	42.3	42.0	10.99	10.90	10.70	10.62
PRIMARY METALS	565.92	560.67	546.98	527.51	43.7	43.7	42.8	42.1	12.95	12.83	12.78	12.53
BLAST FURNACE & BASIC STEEL	630.29	617.32	602.00	586.58	44.2	44.0	43.0	42.2	14.26	14.03	14.00	13.90
BLAST FURN. & STEEL MILLS	648.40	632.91	619.20	609.54	43.9	43.8	43.0	42.3	14.77	14.45	14.40	14.41
OTHER BASIC STEEL PRODUCTS	530.58	533.36	500.12	485.20	45.7	45.2	42.6	41.9	11.61	11.80	11.74	11.58
IRON AND STEEL FOUNDRIES	408.74	418.28	412.91	391.53	42.4	42.9	42.7	40.7	9.64	9.75	9.67	9.62

December 1987 data are preliminary and subject to revision.

TABLE 6
AVERAGE HOURS AND EARNINGS OF MANUFACTURING WORKERS
IN PENNSYLVANIA BY INDUSTRY LINE: FOURTH QUARTER 1987
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG WEEKLY HOURS				AVG HOURLY EARNINGS			
	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986
NONFERROUS ROLLING & DRAWING	515.28	504.14	496.51	479.60	45.2	43.8	43.1	44.0	11.40	11.51	11.52	10.90
NONFERROUS FOUNDRIES	425.80	412.23	408.20	404.15	42.2	41.1	41.4	39.7	10.09	10.03	9.86	10.18
OTHER PRIMARY METALS	451.98	491.44	473.37	462.76	40.5	43.8	42.8	42.3	11.16	11.22	11.06	10.94
FABRICATED METAL PRODUCTS	458.35	450.68	441.42	445.05	43.2	42.8	42.0	43.0	10.61	10.53	10.51	10.35
METAL CANS & SHIPPING CONTRS	460.93	460.93	485.21	474.72	41.6	41.6	42.6	43.0	11.08	11.08	11.39	11.04
CUTLERY, TOOLS & HARDWARE	402.30	398.71	372.24	371.88	45.0	44.9	42.3	42.5	8.94	8.88	8.80	8.75
PLUMBING & HEATING, EXC. EL.	466.71	450.84	462.60	449.91	45.4	44.2	45.0	45.4	10.28	10.20	10.28	9.91
FAB. STRUCTURAL METAL PROD.	407.03	401.95	390.73	392.04	42.8	42.4	41.7	42.2	9.51	9.48	9.37	9.29
FAB. STRUCTURAL METAL	431.76	415.95	430.98	425.12	42.0	40.9	41.6	42.3	10.28	10.17	10.36	10.05
FAB. PLATE WORK	495.70	485.97	453.28	468.90	44.9	43.9	41.7	42.9	11.04	11.07	10.87	10.93
OTHER FAB. STRUC. PRODUCTS	368.41	369.70	359.90	357.84	42.2	42.3	41.8	42.0	8.73	8.74	8.61	8.52
SCREW MACHINERY PRODUCTS	470.80	439.30	429.72	474.45	44.0	41.6	41.2	44.3	10.70	10.56	10.43	10.71
METAL FORGINGS & STAMPINGS	618.20	610.19	594.58	600.76	44.0	44.9	43.4	44.9	14.05	13.59	13.70	13.38
METAL SERVICES & ORDNANCE	385.67	400.38	379.88	402.38	38.8	39.1	37.5	40.4	9.94	10.24	10.13	9.96
MISC. FABRICATED METAL PROD.	458.65	445.39	445.12	437.76	44.4	43.2	42.8	43.3	10.33	10.31	10.40	10.11
VALVES & PIPE FITTINGS	483.35	460.41	463.25	417.22	46.7	44.7	44.5	42.4	10.35	10.30	10.41	9.84
OTHER MISC. FAB. METALS	444.79	436.54	434.30	476.10	43.1	42.3	41.8	45.0	10.32	10.32	10.39	10.58
NONELECTRICAL MACHINERY	492.16	483.91	470.13	463.72	44.1	43.4	42.7	42.7	11.16	11.15	11.01	10.86
ENGINES AND TURBINES	572.29	646.82	584.99	600.48	41.5	46.5	42.7	42.8	13.79	13.91	13.70	14.03
FARM & GARDEN MACHINERY	668.47	659.38	624.91	566.20	48.3	48.2	46.6	44.2	13.84	13.68	13.41	12.81
CONSTRUCTION & RELATED MACH.	483.23	496.69	481.17	426.01	43.3	43.8	43.0	39.3	11.16	11.34	11.19	10.84
METAL WORKING MACHINERY	512.79	485.76	478.07	462.44	45.1	44.0	43.5	42.7	11.37	11.04	10.99	10.83
SPECIAL INDUSTRIAL MACHINERY	511.52	494.18	483.51	512.43	46.8	45.8	45.4	46.5	10.93	10.79	10.65	11.02
GENERAL INDUSTRIAL MACHINERY	498.38	503.28	490.75	497.64	43.3	43.2	42.6	43.5	11.51	11.65	11.52	11.44
REFRIG. & SERV. MACHINERY	463.49	428.90	397.72	423.95	42.6	40.5	39.3	42.1	10.88	10.59	10.12	10.07
MISC. MACHINERY, EXC. ELEC.	432.31	425.70	419.84	420.85	43.8	42.4	41.9	42.9	9.87	10.04	10.02	9.81
ELECTRIC AND ELECTRONIC MACH.	428.16	428.40	418.14	412.57	42.1	42.0	41.4	41.8	10.17	10.20	10.10	9.87

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TABLE 6

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IN PENNSYLVANIA BY INDUSTRY LINE: FOURTH QUARTER 1987
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG WEEKLY HOURS				AVG HOURLY EARNINGS			
	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986
ELECTRICAL DISTRIBUTING EQ.	508.00	506.35	493.22	461.16	47.3	46.2	45.5	44.3	10.74	10.96	10.84	10.41
ELECTRICAL INDUSTRIAL APPAR.	427.70	434.69	431.72	419.87	42.6	43.6	43.0	42.8	10.04	9.97	10.04	9.81
HOUSEHOLD APPLIANCES	401.12	394.88	388.88	403.65	42.9	40.5	39.4	42.4	9.35	9.75	9.87	9.52
ELECTRICAL LIGHTING & WIRING	402.90	405.46	403.37	374.91	42.1	41.5	41.8	40.4	9.57	9.77	9.65	9.28
CURRENT CARRYING DEVICES	421.82	429.60	425.15	394.79	41.6	42.2	42.6	40.7	10.14	10.18	9.98	9.70
OTHER LIGHTING & WIRING	386.81	386.22	385.11	356.89	42.6	41.0	41.1	40.1	9.08	9.42	9.37	8.90
COMMUNICATION EQUIPMENT	394.25	371.57	344.06	317.49	41.5	40.3	38.4	39.1	9.50	9.22	8.96	8.12
ELECTRONIC COMPONENTS & ACC.	449.49	452.35	436.86	456.96	41.2	41.5	40.6	42.0	10.91	10.90	10.76	10.88
OTHER ELECTRICAL EQUIPMENT	400.48	394.28	395.08	375.70	41.5	41.2	41.5	42.5	9.65	9.57	9.52	8.84
TRANSPORTATION EQUIPMENT	524.88	507.52	497.31	501.83	42.5	41.6	41.1	42.1	12.35	12.20	12.10	11.92
MOTOR VEHICLES AND EQUIPMENT	531.91	504.94	498.04	511.17	43.0	41.8	41.4	43.1	12.37	12.08	12.03	11.86
MOTOR VEHICLE PARTS & ACC.	541.35	522.45	472.33	451.41	41.9	41.3	39.1	41.0	12.92	12.65	12.08	11.01
OTHER MOTOR VEHICLES & EQ.	521.26	483.49	525.92	560.45	44.4	42.3	43.9	44.8	11.74	11.43	11.98	12.51
SHIP & BOAT BUILDING & REPR.	412.02	427.69	456.91	467.84	37.8	38.6	41.2	42.3	10.90	11.08	11.09	11.06
RAILROAD EQUIPMENT	525.84	506.76	500.29	483.34	42.0	41.1	39.8	39.2	12.52	12.33	12.57	12.33
OTHER TRANSPORTATION EQUIP.	521.51	517.76	487.6	479.95	43.1	43.4	42.4	42.7	12.10	11.93	11.50	11.24
INSTRUMENTS AND RELATED PROD.	424.13	435.63	423.07	431.10	41.5	42.5	41.6	42.1	10.22	10.25	10.17	10.24
MEASURING & CONTROLLING DEV.	443.69	466.71	448.62	462.44	39.9	42.7	41.5	42.7	11.12	10.93	10.81	10.83
MEDICAL INSTRUMENTS & SUPPL.	400.83	387.71	385.52	412.29	43.1	41.6	41.1	40.7	9.30	9.32	9.38	10.13
OTHER INSTRUMENTS & RELATED	418.20	436.02	422.58	400.78	42.2	43.0	42.3	42.5	9.91	10.14	9.99	9.43
MISCELLANEOUS MANUFACTURES	402.87	417.36	416.42	419.83	40.9	41.2	41.6	44.1	9.85	10.13	10.01	9.52
NONDURABLE GOODS	374.63	368.00	360.48	355.41	40.5	40.0	39.7	39.8	9.25	9.20	9.08	8.93
FOOD AND KINDRED PRODUCTS	419.42	413.65	395.97	385.97	41.9	41.2	40.2	40.5	10.01	10.04	9.85	9.53
MEAT PRODUCTS	339.91	318.61	309.28	312.98	43.3	40.9	39.6	40.7	7.85	7.79	7.81	7.69
DAIRY PRODUCTS	373.58	399.07	389.37	371.59	39.7	41.7	40.9	40.7	9.41	9.57	9.52	9.13

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TABLE 6

AVERAGE HOURS AND EARNINGS OF MANUFACTURING WORKERS
IN PENNSYLVANIA BY INDUSTRY LINE: FOURTH QUARTER 1987
(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG WEEKLY HOURS				AVG HOURLY EARNINGS			
	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986
FLUID MILK	427.87	452.62	434.92	402.78	41.5	42.7	41.5	41.1	10.31	10.60	10.48	9.80
OTHER DAIRY PRODUCTS	338.80	365.31	361.75	351.95	38.5	41.0	40.6	40.5	8.80	8.91	8.91	8.69
PRESERVED FRUIT & VEGETABLES	399.93	393.87	367.84	389.42	42.5	41.2	40.6	42.7	9.41	9.56	9.06	9.12
CANNED FRUITS & VEGETABLES	303.81	274.54	302.33	277.29	40.4	37.2	40.8	39.5	7.52	7.38	7.41	7.02
OTHER PRES. FRUITS & VEGS.	452.73	463.03	406.22	458.04	43.7	43.6	40.5	44.6	10.36	10.62	10.03	10.27
GRAIN MILL PRODUCTS	615.96	588.99	540.71	489.90	47.2	45.8	43.5	41.8	13.05	12.86	12.43	11.72
BAKERY PRODUCTS	431.96	435.83	431.20	372.25	41.1	41.0	40.0	37.3	10.51	10.63	10.78	9.98
SUGAR & CONFECTION PRODUCTS	421.69	428.47	404.42	401.37	39.3	39.6	38.7	39.7	10.73	10.82	10.45	10.11
BEVERAGES	544.40	532.13	488.56	532.39	42.9	41.9	39.4	42.9	12.69	12.70	12.40	12.41
OTHER FOOD & KINDRED PRODS.	385.29	362.71	356.18	344.84	42.2	40.8	40.8	41.2	9.13	8.89	8.73	8.37
TOBACCO PRODUCTS	254.98	260.57	269.37	240.59	41.8	42.3	43.8	40.3	6.10	6.16	6.15	5.97
TEXTILE PRODUCTS	281.71	284.33	283.69	279.30	39.4	39.6	39.9	39.9	7.15	7.18	7.11	7.00
WEAVING MILLS SYNTHETICS	312.98	308.21	304.56	311.28	40.7	40.5	40.5	42.7	7.69	7.61	7.52	7.29
KNITTING MILLS	250.87	254.60	259.07	240.75	38.3	38.0	38.9	37.5	6.55	6.70	6.66	6.42
KNIT OUTERWEAR MILLS	219.47	232.13	242.41	223.63	36.7	37.2	38.6	36.6	5.98	6.24	6.28	6.11
KNIT UNDERWEAR MILLS	233.55	215.68	225.94	219.78	38.1	34.9	37.1	37.0	6.13	6.18	6.09	5.94
OTHER KNITTING MILLS	304.16	314.16	307.98	276.97	40.5	41.5	40.9	38.9	7.51	7.57	7.53	7.12
FLOOR COVERING MILLS	415.25	408.79	403.24	452.86	42.2	42.1	41.4	46.4	9.84	9.71	9.74	9.76
YARN AND THREAD MILLS	226.07	224.59	226.92	224.40	37.0	37.0	37.2	37.4	6.11	6.07	6.10	6.00
OTHER TEXTILE MILL PRODUCTS	286.94	295.36	290.78	282.05	40.3	41.6	41.6	40.7	7.12	7.10	6.99	6.93
APPAREL AND RELATED PRODUCTS	219.39	214.81	217.77	201.58	35.5	35.1	35.7	34.4	6.18	6.12	6.10	5.86
MENS AND BOYS SUITS & COATS	290.08	279.83	270.87	246.75	37.0	36.2	35.5	35.1	7.84	7.73	7.63	7.03
MENS AND BOYS FURNISHINGS	220.88	215.80	214.70	209.96	37.5	36.7	36.7	36.9	5.89	5.88	5.85	5.69
WOMENS AND MISSES OUTERWEAR	190.06	187.12	192.05	185.82	32.6	32.6	33.4	32.6	5.83	5.74	5.75	5.70
WOMENS & KIDS UNDERGARMENTS	210.56	210.00	221.70	195.09	37.6	37.5	39.1	35.6	5.60	5.60	5.67	5.48
CHILDRENS OUTERWEAR	214.07	203.45	209.30	193.20	36.1	34.6	35.9	34.5	5.93	5.88	5.83	5.60
OTHER APPAREL & TEXTILE PROD	242.79	239.65	248.82	205.90	38.6	38.1	39.0	35.5	6.29	6.29	6.38	5.80

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(Current month data are preliminary and subject to revision)

INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG WEEKLY HOURS				AVG HOURLY EARNINGS			
	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986
PAPER PRODUCTS	482.13	471.24	465.02	479.73	44.6	44.0	43.5	45.3	10.81	10.71	10.69	10.59
PAPER MILLS, EXC. BUILDING	568.76	556.49	548.73	565.14	48.2	47.2	46.7	49.4	11.80	11.79	11.75	11.44
PAPERBOARD CONTAINER & BOXES	441.32	438.12	428.98	438.96	44.0	43.9	43.2	45.3	10.03	9.98	9.93	9.69
CORRUGATED & SOLID BOXES	458.43	453.77	439.06	433.94	44.9	44.4	43.3	44.1	10.21	10.22	10.14	9.84
OTHER PAPERBOARD PRODUCTS	423.67	421.31	418.50	443.61	43.1	43.3	43.1	46.5	9.83	9.73	9.71	9.54
OTHER PAPER & ALLIED PRODS.	478.08	461.60	458.58	475.23	43.7	42.9	42.5	43.8	10.94	10.76	10.79	10.85
PRINTING AND PUBLISHING	444.31	433.20	430.64	446.71	40.8	40.0	39.8	41.4	10.89	10.83	10.82	10.79
NEWSPAPERS	450.70	434.30	422.63	425.58	35.6	34.8	34.5	34.6	12.66	12.48	12.25	12.30
COMMERCIAL PRINTING	459.95	452.92	454.02	481.74	41.7	41.4	41.2	43.4	11.03	10.94	11.02	11.10
OTHER PRINTING & PUBLISHING	423.58	408.59	404.97	415.04	42.4	40.9	40.7	42.7	9.99	9.99	9.95	9.72
CHEMICAL AND ALLIED PRODUCTS	538.94	525.60	513.11	512.46	44.8	43.8	43.3	43.8	12.03	12.00	11.85	11.70
INDUSTRIAL INORGANICS	559.52	541.12	517.72	523.41	45.9	44.5	43.0	43.8	12.19	12.16	12.04	11.95
PLASTIC MATERIALS & SYNTHET.	602.27	600.88	614.29	581.58	46.4	46.4	47.0	44.6	12.98	12.95	13.07	13.04
DRUGS	536.35	545.28	535.10	550.47	42.1	42.6	42.2	44.9	12.74	12.80	12.68	12.26
SOAPS, CLEANERS & TOILET GDS	567.76	521.54	485.94	526.92	50.2	46.4	43.7	46.1	11.31	11.24	11.12	11.43
PAINTS AND ALLIED PRODUCTS	515.37	516.82	493.50	479.26	44.2	44.4	43.1	42.3	11.66	11.64	11.45	11.33
OTHER CHEMICAL & ALLIED PROD	492.60	462.26	450.50	439.10	44.1	42.1	42.5	41.7	11.17	10.98	10.60	10.53
PETROLEUM AND COAL PRODUCTS	598.75	583.28	559.99	538.28	43.2	42.7	42.2	40.2	13.86	13.66	13.27	13.39
PETROLEUM REFINING	640.90	636.01	592.64	576.29	43.1	42.8	40.9	40.3	14.87	14.86	14.49	14.30
OTHER PETROLEUM & COAL PRODS	423.58	416.93	468.74	372.78	43.4	42.5	46.0	39.7	9.76	9.81	10.19	9.39
RUBBER AND PLASTICS PRODUCTS	387.86	383.92	376.74	375.28	43.0	42.8	42.0	42.5	9.02	8.97	8.97	8.83
TIRES AND INNER TUBES	373.22	384.99	387.19	361.84	43.6	43.6	44.2	45.4	8.56	8.83	8.76	7.97
FABRICATED RUBBER PRODUCTS	464.98	483.96	472.50	458.93	44.2	45.7	45.0	44.6	10.52	10.59	10.50	10.29
OTHER RUBBER & PLASTICS PROD	380.52	374.00	366.50	368.43	42.9	42.5	41.6	42.3	8.87	8.80	8.81	8.71

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INDUSTRY TITLE	AVERAGE WEEKLY EARNINGS				AVG WEEKLY HOURS				AVG HOURLY EARNINGS			
	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986	DEC 1987 P\	NOV 1987	OCT 1987	DEC 1986
LEATHER PRODUCTS	228.82	229.58	225.29	220.57	38.2	38.2	37.8	36.7	5.99	6.01	5.96	6.01
FOOTWEAR, EXC. RUBBER	206.65	206.45	197.64	195.61	37.1	37.4	36.6	35.5	5.57	5.52	5.40	5.51
OTHER LEATHER PRODUCTS	308.90	313.47	320.95	311.30	42.2	41.3	41.9	40.8	7.32	7.59	7.66	7.63
NONMANUFACTURING INDUSTRIES												
MINING												
ANTHRACITE COAL	432.98	446.77	444.83	427.52	36.6	37.2	37.1	37.7	11.83	12.01	11.99	11.34
BITUMINOUS COAL & LIGNITE	654.06	657.72	645.54	619.64	41.9	42.0	42.0	40.9	15.61	15.66	15.37	15.15
NONMETALLIC MINERALS	454.39	463.99	493.57	435.02	44.9	45.4	48.2	45.6	10.12	10.22	10.24	9.54
PUBLIC UTILITIES												
COMMUNICATIONS	521.75	531.19	535.31	562.79	39.2	39.7	39.8	41.2	13.31	13.38	13.45	13.66
ELECTRIC, GAS AND SANITARY	656.84	691.31	672.31	632.16	43.1	44.4	43.6	42.8	15.24	15.57	15.42	14.77
ELECTRIC SERVICES	636.66	684.41	654.48	613.32	42.7	44.5	43.2	42.8	14.91	15.38	15.15	14.33
GAS PRODUCTION & DIST.	547.16	562.46	554.69	519.02	41.8	42.1	41.8	40.9	13.09	13.36	13.27	12.69
RETAIL TRADE												
GENERAL MERCHANDISE STORES	187.77	186.41	186.91	185.11	29.9	28.9	28.8	30.8	6.28	6.45	6.49	6.01

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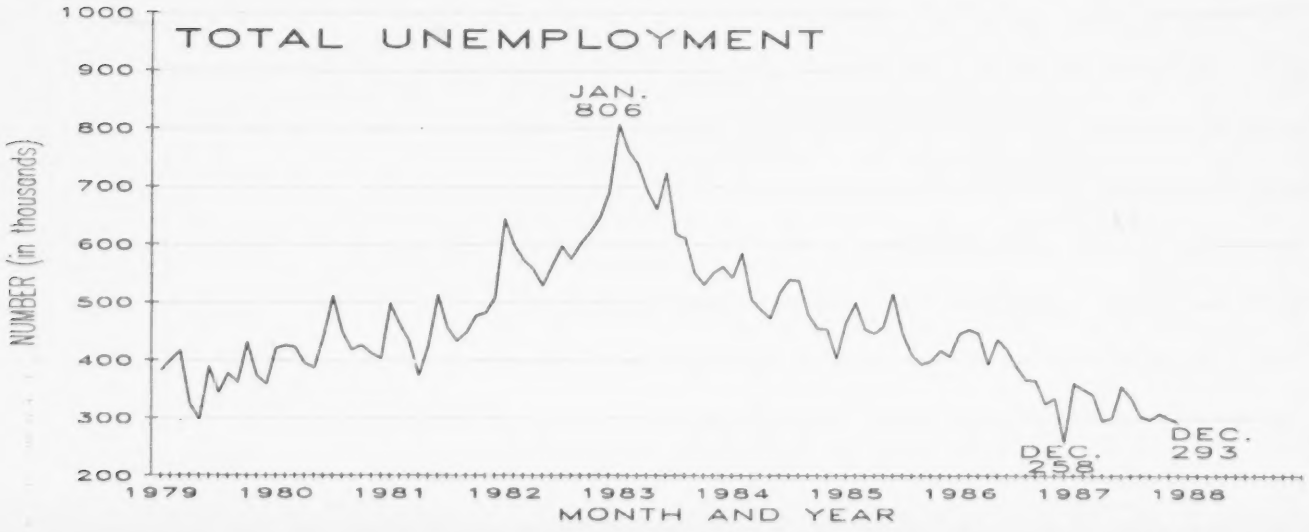
PENNSYLVANIA ECONOMIC INDICATORS

SEASONALLY ADJUSTED

PENNSYLVANIA ECONOMIC INDICATORS
NOT SEASONALLY ADJUSTED



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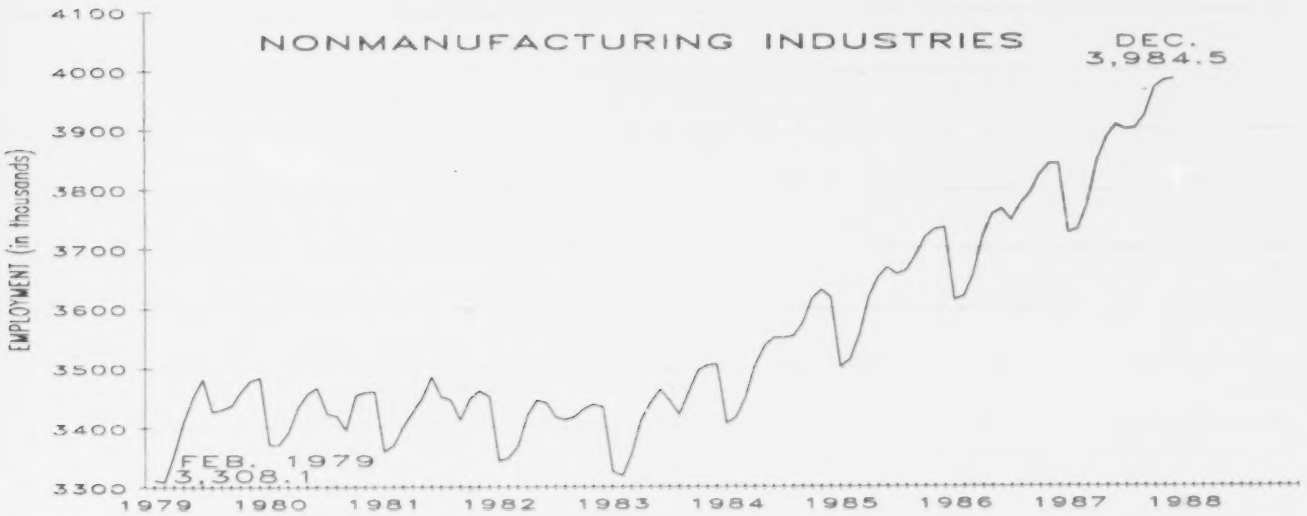

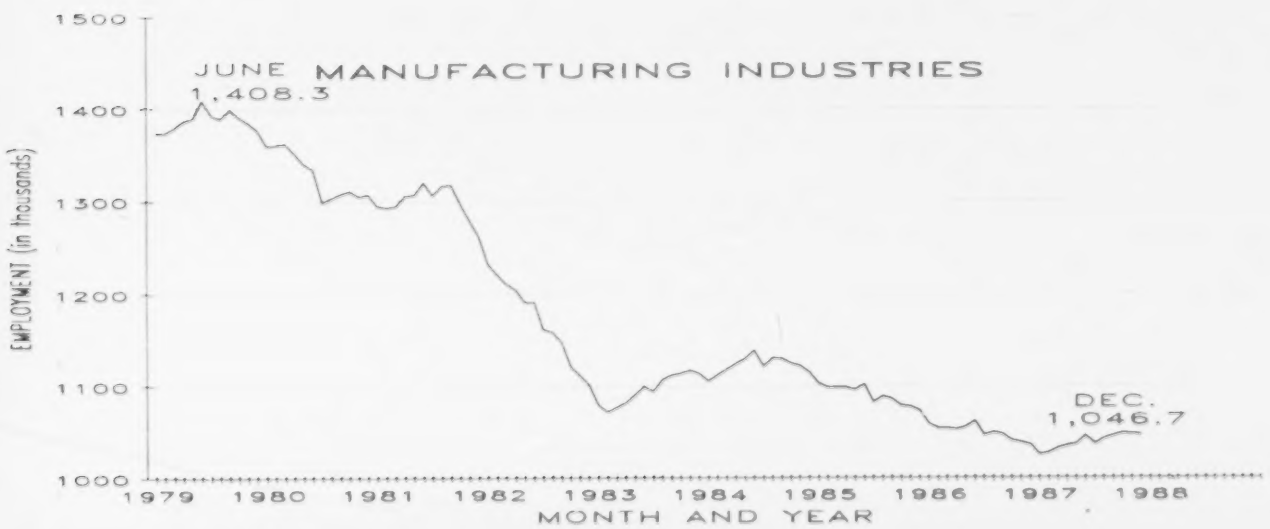

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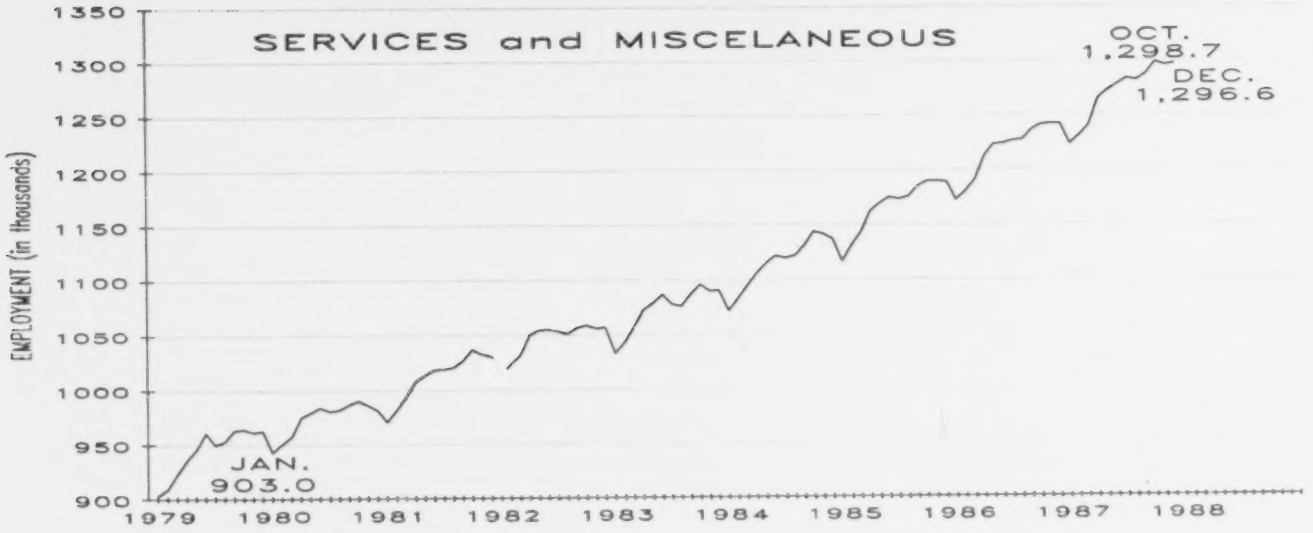

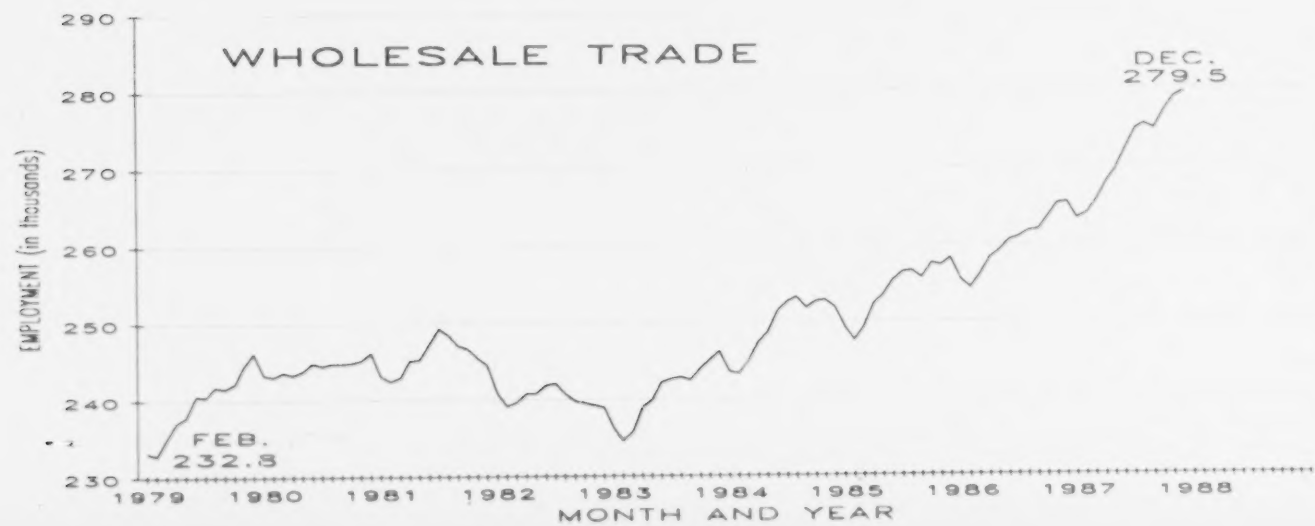

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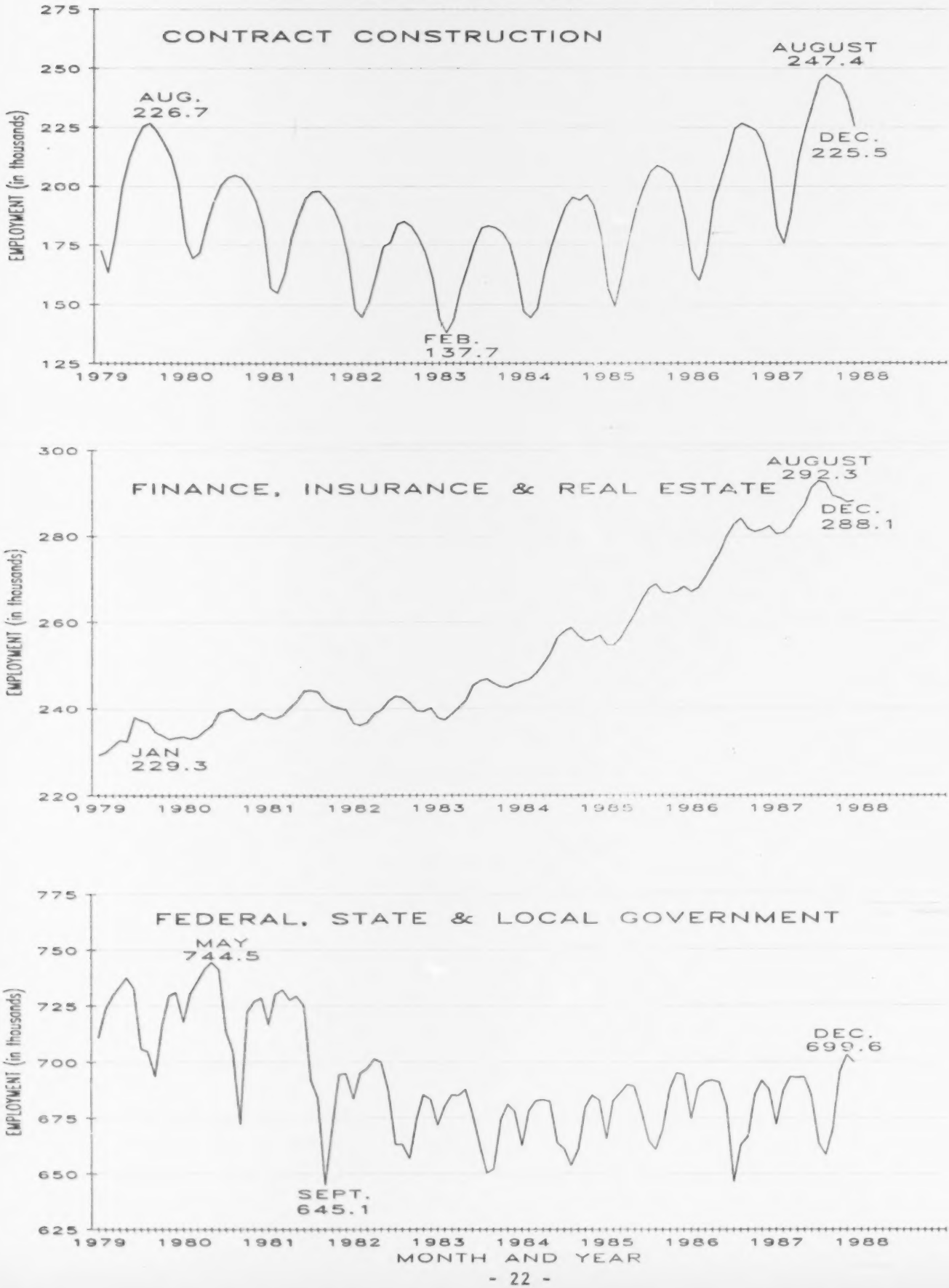

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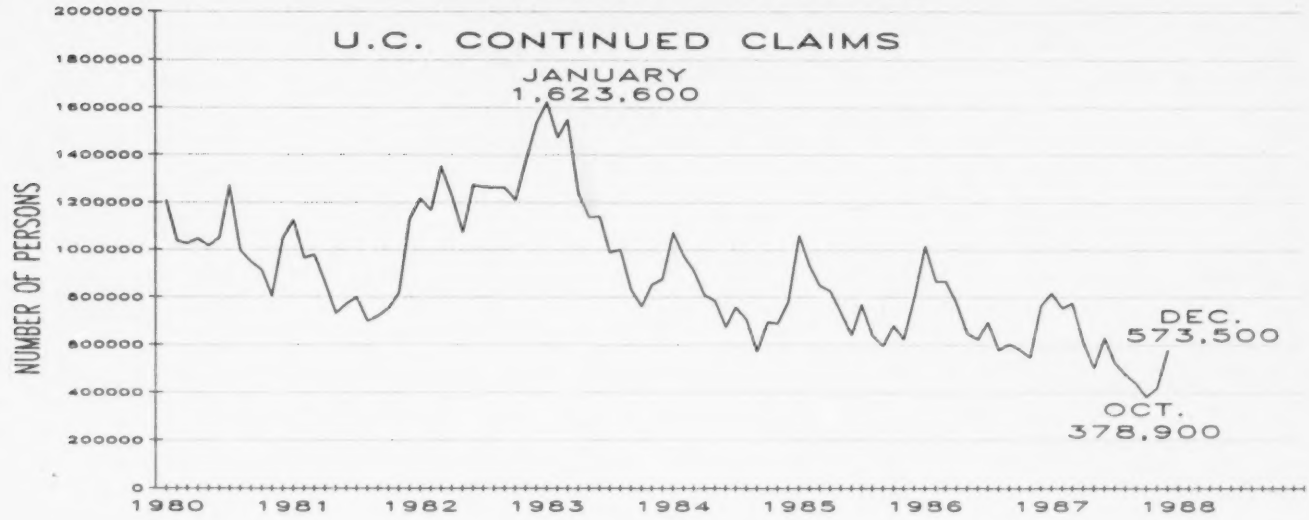

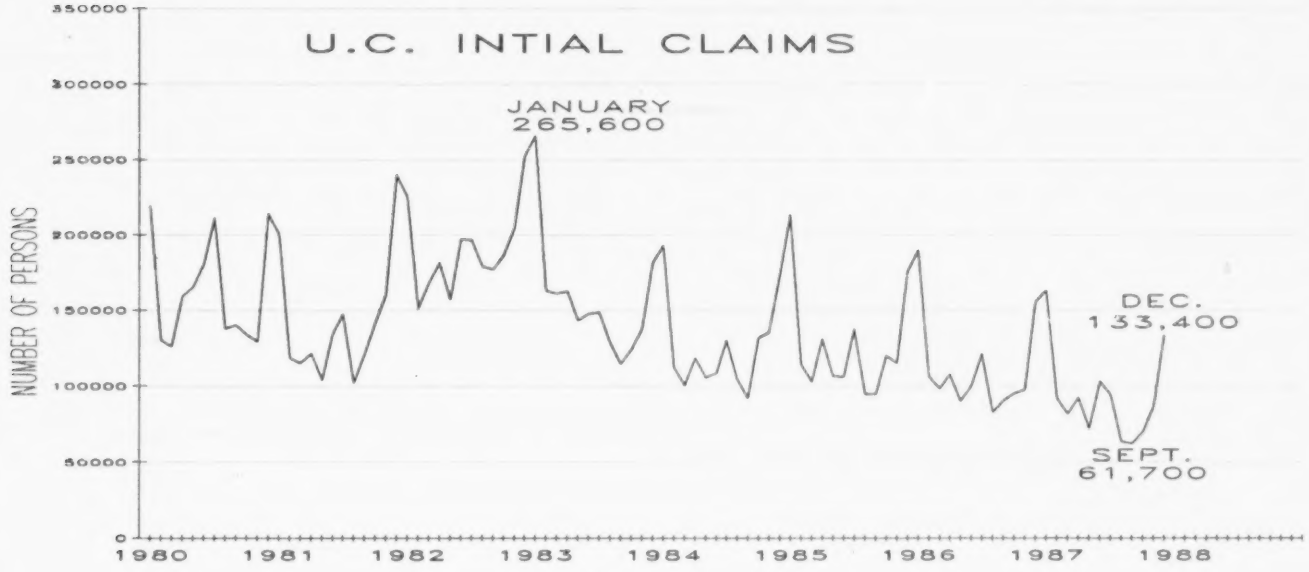

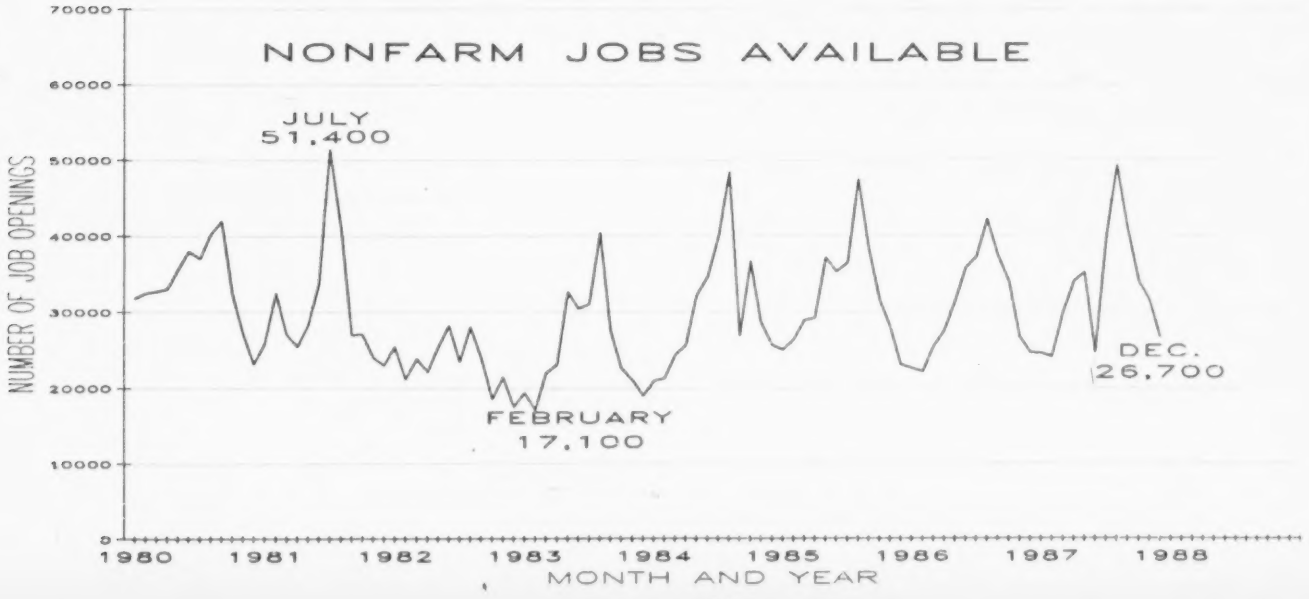

PENNSYLVANIA ECONOMIC INDICATORS
NOT SEASONALLY ADJUSTED